



Safety Data Sheet

Fibo Clean

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 04/07/2022 Revision date: 04/07/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Fibo Clean
UFI : UTGT-SS35-8UOX-SFV6
Product code : 400586
Vaporizer : Aerosol
Other means of identification : GTIN-nr.: 7039490416520

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Use of the substance/mixture : Cleaning fluid for FiboSeal

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Fibo AS
Industriveien 2
4580 LYNGDAL - Norge
T 38 34 33 00 - F 38 34 33 11
ordre@fibosystem.com - www.fibo.no

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number | Comment |
|----------------|--|---|------------------------------------|---------------------------|
| United Kingdom | National Poisons Information Service (Newcastle Unit) | Claremont Place Newcastle-upon-Tyne, Newcastle | +44 191 2606182 +44 191 2606180 | Hours of operation: 24hrs |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1 H222;H229
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Chronic 2 H411

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Contains :

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, acetone; propan-2-one; propanone
H222 - Extremely flammable aerosol.

Hazard statements (CLP) :

H229 - Pressurised container: May burst if heated.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

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Precautionary statements (CLP)

H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.
: P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P210 - Keep away from sparks, heat, hot surfaces, open flames. – No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear eye protection, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container to a hazardous or special waste collection point.
: >=30% Aliphatic hydrocarbons.

Extra phrases

2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | Conc. (% w/w) | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|---------------|--|
| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (Note P) | (EC-No.) 921-024-6 (REACH-no) 01-2119475514-35 | 60 – 80 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 |
| acetone; propan-2-one; propanone | (CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49 | 15 – 25 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |
| propane (Note U) | (CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index-No.) 601-003-00-5 (REACH-no) 01-2119486944-21 | 5 – 10 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 |
| isobutane (Note C)(Note U) | (CAS-No.) 75-28-5 (EC-No.) 200-857-2 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119485395-27 | 3 – 5 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 |
| butane (Note C)(Note U) | (CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index-No.) 601-004-00-0 (REACH-no) 01-2119474691-32 | 3 – 5 | Flam. Gas 1A, H220 Press. Gas (Comp.), H280 |
| Carbon dioxide | (CAS-No.) 124-38-9 (EC-No.) 204-696-9 (REACH-no) N/A | 1 – 3 | Press. Gas (Comp.), H280 |

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Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

Note U (Table 3): When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| First-aid measures after skin contact | : Wash with plenty of soap and water. Do not use solvents or thinners. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. |
| First-aid measures after ingestion | : IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth. Do not induce vomiting/risk of damage to lungs exceeds poisoning risk. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Shortness of breath. May cause drowsiness or dizziness. |
| Symptoms/effects after skin contact | : Causes skin irritation. |
| Symptoms/effects after eye contact | : Causes serious eye damage. |
| Symptoms/effects after ingestion | : May be fatal if swallowed and enters airways. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically. In all cases of doubt, or when symptoms persist, seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Use extinguishing media appropriate for surrounding fire. Foam. Dry powder. Carbon dioxide. Water spray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| Fire hazard | : Extremely flammable aerosol. |
| Explosion hazard | : Pressurised container: May burst if heated. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. |
| Hazardous decomposition products in case of fire | : Irritating gases/vapours/fumes. Carbon oxides (CO, CO2). |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire when fire reaches explosives. Evacuate area. |
| Protection during firefighting | : Do not enter fire area without proper personal protective equipment, including respiratory protection (EN137). |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------|--|
| General measures | : Concerning personal protective equipment to use, see section 8. No flames, no sparks. Eliminate all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. Do not breathe vapour. No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | : Evacuate area. Evacuate unnecessary personnel. |
|----------------------|--|

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6.1.2. For emergency responders

Protective equipment : Equip cleanup and emergency crew with proper protection. Avoid breathing vapours.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

For further information refer to section 13. See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Hazardous waste due to potential risk of explosion. Do not pierce or burn, even after use.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Do not spray on an open flame or other ignition source. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Hygiene measures : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.
Storage conditions : Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store in a dry place. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place.
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional data.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| acetone; propan-2-one; propanone (67-64-1) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Acetone |
| WEL TWA (OEL TWA) [1] | 1210 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 500 ppm |
| WEL STEL (OEL STEL) | 3620 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 1500 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| isobutane (75-28-5) | |
|--|--|
| United Kingdom - Biological limit values | |
| Local name | Butan-2-one (methyl ethyl ketone) |
| BMGV | 70 µmol/l Parameter: butan-2-one - Medium: urine - Sampling time: Post shift |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

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| Carbon dioxide (124-38-9) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Carbon dioxide |
| WEL TWA (OEL TWA) [1] | 9150 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 5000 ppm |
| WEL STEL (OEL STEL) | 27400 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 15000 ppm |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

| butane (106-97-8) | |
|---|--|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Butane |
| WEL TWA (OEL TWA) [1] | 1450 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 600 ppm |
| WEL STEL (OEL STEL) | 1810 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 750 ppm |
| Remark | Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

| acetone; propan-2-one; propanone (67-64-1) | |
|--|------------------------|
| DNEL/DMEL (Workers) | |
| Acute - local effects, inhalation | 2420 mg/m ³ |
| Long-term - systemic effects, dermal | 186 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 1210 mg/m ³ |
| DNEL/DMEL (General population) | |
| Long-term - systemic effects, oral | 62 mg/kg bw/day |
| Long-term - systemic effects, inhalation | 200 mg/m ³ |
| Long-term - systemic effects, dermal | 62 mg/kg bw/day |
| PNEC (Water) | |
| PNEC aqua (freshwater) | 10.6 mg/l |
| PNEC aqua (marine water) | 1.06 mg/l |
| PNEC (Sediment) | |
| PNEC sediment (freshwater) | 3.04 mg/kg wet weight |
| PNEC (Soil) | |
| PNEC soil | 33.3 mg/l |
| PNEC (STP) | |
| PNEC sewage treatment plant | 29.5 mg/kg wet weight |

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure that there is a suitable ventilation system. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective goggles.



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses. STANDARD EN 166:2001

8.2.2.2. Skin protection

Skin and body protection:

Wear appropriate clothing to prevent any possibility of skin contact.

Hand protection:

Wear protective gloves. Butylrubber protective gloves. Polyvinylalcohol (PVA). Layer thickness : 0,2 - 0,4 mm. Breakthrough time : > 60 minutes. STANDARD EN ISO 374-1:2016/A1:2018, EN ISO 374-2:2019, EN ISO 374-4:2019

8.2.2.3. Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use respiratory equipment with combination filter, type AX/P2. STANDARD: EN 140 / EN 141 / EN 136 / EN 143 / EN 405 / EN 137 / EN 147. EN 136/140/145. EN 405

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Pale yellow. |
| Appearance | : Aerosol. |
| Odour | : Solvent. |
| Odour threshold | : Not determined. |
| Melting point | : Not determined. |
| Freezing point | : Not determined. |
| Boiling point | : Not determined. |
| Flammability | : Extremely flammable aerosol. |
| Explosive properties | : Pressurised container: May burst if heated. |
| Oxidising properties | : Extremely flammable aerosol. |
| Explosive limits | : Not determined. |
| Lower explosive limit (LEL) | : 0.6 vol % |
| Upper explosive limit (UEL) | : 13 vol % |
| Flash point | : < 0 °C |
| Auto-ignition temperature | : Not determined. |
| Decomposition temperature | : Not determined. |
| pH | : Not determined. |
| Viscosity, kinematic | : Not available |
| Viscosity, dynamic | : Not determined. |
| Solubility | : Insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |

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| | |
|---|--------------------------|
| Partition coefficient n-octanol/water (Log Pow) | : Not determined. |
| Vapour pressure | : 3500 hPa at 20 °C |
| Vapour pressure at 50 °C | : Not available |
| Density | : 0.69 g/cm ³ |
| Relative density | : Not available |
| Relative vapour density at 20 °C | : Not determined. |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

% of flammable ingredients : 124.9999999999995

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

None to our knowledge.

10.2. Chemical stability

Stable when used at recommended storage and handling conditions. Extremely flammable aerosol. Pressurised container: May burst if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions

None to our knowledge.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Direct sunlight. Extremely high or low temperatures. Overheating.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers. Strong reducing agents.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|--|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |

| propane (74-98-6) | |
|---------------------------------|--------------|
| LD50 oral rat | 5000 mg/kg |
| LC50 Inhalation - Rat (Vapours) | 1237 mg/l/4h |

| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | |
|---|--------------|
| LD50 oral rat | > 5840 mg/kg |
| LD50 dermal rabbit | > 2920 mg/kg |
| LC50 Inhalation - Rat (Vapours) | > 25 mg/l/4h |

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| acetone; propan-2-one; propanone (67-64-1) | |
|--|--------------|
| LD50 oral rat | 5800 mg/kg |
| LD50 dermal rabbit | > 7400 mg/kg |
| LC50 Inhalation - Rat | 32 mg/l |

| isobutane (75-28-5) | |
|---------------------------------|---------|
| LC50 Inhalation - Rat (Vapours) | 2 hours |

| butane (106-97-8) | |
|-----------------------|---|
| LC50 Inhalation - Rat | 658 mg/l/4h LC50 Inhalation - Rat (Vapours) |

| | |
|-----------------------------------|--|
| Skin corrosion/irritation | : Causes skin irritation. pH: Not determined. |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: Not determined. |
| Respiratory or skin sensitisation | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Germ cell mutagenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Carcinogenicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Reproductive toxicity | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| STOT-single exposure | : May cause drowsiness or dizziness. |

| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | |
|---|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| acetone; propan-2-one; propanone (67-64-1) | |
|--|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

| | |
|------------------------|---|
| STOT-repeated exposure | : Not classified |
| Additional information | : Based on available data, the classification criteria are not met |
| Aspiration hazard | : May be fatal if swallowed and enters airways. |
| Additional information | : Ingestion is not likely under the use as intended and described, product is an aerosol. |

| Fibo Clean | |
|------------|---------|
| Vaporizer | Aerosol |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

| | |
|--|--|
| Adverse health effects caused by endocrine disrupting properties | : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 % |
|--|--|

11.2.2 Other information

| | |
|-------------------|----------------------|
| Other information | : No additional data |
|-------------------|----------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - water | : Very toxic to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

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| propane (74-98-6) | |
|----------------------|-------------------------------------|
| LC50 - Fish [1] | 16.9 g/l 96 hours |
| EC50 - Crustacea [1] | 16.3 g/l (48 hours - Daphnia magna) |
| ErC50 algae | 11.3 mg/l |

| Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | |
|---|--|
| LC50 - Fish [1] | 11.4 mg/l (96 hours - Rainbow trout) |
| EC50 - Crustacea [1] | 3 mg/l (48 hours - Daphnia magna) |
| ErC50 algae | 30 – 100 72 hours - Pseudokirchnerella subcapitata |
| LOEC (acute) | 0.32 mg/l Daphnia magna (Water flea) |
| NOEC chronic crustacea | 0.17 mg/l Daphnia magna (Water flea) |

| acetone; propan-2-one; propanone (67-64-1) | |
|--|----------------|
| EC50 96h - Algae [1] | 7000 mg/l NOEC |

| Carbon dioxide (124-38-9) | |
|---------------------------|--------------------------------|
| LC50 - Fish [1] | 35 mg/l 96 h (Salmo gairdneri) |

| butane (106-97-8) | |
|----------------------|---------------------------------------|
| LC50 - Fish [1] | 24.11 mg/l (96 hours) |
| EC50 - Crustacea [1] | 14.22 mg/l (48 hours - Daphnia magna) |
| ErC50 algae | 7.71 mg/l (96 hours) |

12.2. Persistence and degradability

| Fibo Clean | |
|-------------------------------|---|
| Persistence and degradability | May cause long-term adverse effects in the environment. |

| acetone; propan-2-one; propanone (67-64-1) | |
|--|---------------------------|
| Persistence and degradability | Biodegradable. |
| BOD (% of ThOD) | 0.96 % ThOD BOD5/COD |
| Biodegradation | < 78 % (OECD 301B method) |

| isobutane (75-28-5) | |
|---------------------|---------------|
| Biodegradation | 100 % 385,5 h |

12.3. Bioaccumulative potential

| Fibo Clean | |
|---|------------------|
| Partition coefficient n-octanol/water (Log Pow) | Not determined. |
| Bioaccumulative potential | Not established. |

| propane (74-98-6) | |
|---|-------|
| Bioconcentration factor (BCF REACH) | 13.18 |
| Partition coefficient n-octanol/water (Log Pow) | 2.36 |

| acetone; propan-2-one; propanone (67-64-1) | |
|---|-------|
| Bioconcentration factor (BCF REACH) | 0.69 |
| Partition coefficient n-octanol/water (Log Pow) | -0.27 |

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| isobutane (75-28-5) | |
|---|-------|
| Bioconcentration factor (BCF REACH) | 26.92 |
| Partition coefficient n-octanol/water (Log Pow) | 2.82 |

| Carbon dioxide (124-38-9) | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 0.8 |

| butane (106-97-8) | |
|---|-------|
| BCF - Fish [1] | 33.88 |
| Partition coefficient n-octanol/water (Log Pow) | 2.89 |

12.4. Mobility in soil

| Fibo Clean | |
|----------------|---------------------|
| Ecology - soil | Insoluble in water. |

12.5. Results of PBT and vPvB assessment

| Fibo Clean | |
|--|--|
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII | |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII | |

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Based on available data, the classification criteria are not met

12.7. Other adverse effects

Additional information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Regional legislation (waste) | : Dispose as hazardous waste. |
| Waste treatment methods | : Do not discharge into drains. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Container under pressure. Do not drill or burn even after use. |
| Additional information | : The given LoW-code is a guiding, and the code depends on how the waste is formed. User must evaluate the choice of correct code. Flammable vapours may accumulate in the container. |
| Ecology - waste materials | : Avoid release to the environment. Hazardous waste due to toxicity. |
| European List of Waste (LoW) code | : 20 01 13* - solvents |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID /

| ADR | IMDG | IATA | ADN | RID |
|---|---|---|--|--|
| 14.1. UN number or ID number | | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | | | | |
| AEROSOLS | AEROSOLS | Aerosols, flammable | AEROSOLS | AEROSOLS |
| Transport document description | | | | |
| UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS | UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS |

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| 14.3. Transport hazard class(es) | | | | |
|--|--|--|--|--|
| 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| | | | | |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : Yes | Dangerous for the environment : Yes Marine pollutant : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes | Dangerous for the environment : Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F
Special provisions (ADR) : 190, 327, 344, 625
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0

Transport by sea

Special provisions (IMDG) : 63, 190, 277, 327, 344, 381, 959
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

Air transport

PCA Excepted quantities (IATA) : E0
PCA Limited quantities (IATA) : Y203
Special provisions (IATA) : A145, A167, A802

Inland waterway transport

Classification code (ADN) : 5F
Special provisions (ADN) : 190, 327, 344, 625
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0

Rail transport

Special provisions (RID) : 190, 327, 344, 625
Limited quantities (RID) : 1L
Excepted quantities (RID) : E0
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

| | |
|--------------------|--|
| Aerosol 1 | Aerosol, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Gas 1A | Flammable gases, Category 1A |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.